

DRAFT

UTAH DIVISION OF AIR QUALITY
EXPERIMENTAL SOURCE PLAN REVIEW

Jodean M. Giese
Los Angeles Department of Water and Power
111 North Hope Street, Room 1050
Los Angeles, CA 90012

Test Burn Petroleum Coke at the Intermountain
Generating Station Located in Millard County, Utah
CDS-A, ATT, Title V

REVIEW ENGINEER:

Nando Meli Jr.

DATE:

November 10, 1999

NOTICE OF INTENT DATED:

October 6, 1999

PLANT CONTACT:

Jodean Giese
(213) 367-0409
(213) 367-4710

PHONE NUMBERS:

FAX NUMBER:

PLANT LOCATION:

850 West Brush Wellman Road
Delta, Utah

UTM COORDINATES:

4,391.1 km Northing, 364.5 km Easting, Zone 12

APPROVALS:

Peer Engineer


Lynn Menlove

DAQ requests that a company/corporation official read the attached draft/proposed Plan Review with Recommended Approval Order Conditions. If this person does not understand or does not agree with the conditions, the PLAN REVIEW ENGINEER - TECHNICIAN should be contacted within five days after receipt of the Plan Review. Special attention needs to be addressed to the Recommended AO Conditions because they will be recommended for the final AO. If this person understands and the company/corporation agrees with the Plan Review or Recommended AO Conditions, this person should sign below and return (can use FAX # 801-536-4099) within 10 days after receipt of the conditions. If the Plan Review Engineer is not contacted within 10 days, the Plan Review Engineer shall assume that the Company/Corporation official agrees with this Plan Review and will process the Plan Review towards final approval. **NOTE: The Approval Order will not be issued until this signed sheet is returned and the review fees are paid. Thank You.**

Applicant Contact Made



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To <i>Rand Craft</i>	From <i>Jodean Giese</i>	
Co.	Co. <i>DWP</i>	
Dept.	Phone # <i>(213) 367-0409</i>	
Fax # <i>(435) 864-6670</i>	Fax # <i>(213) 367-4710</i>	

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FAX NO. 8015364099

P. 02/03

**DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF AIR QUALITY****FILE**Michael O. Leavitt
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Executive DirectorUrsula Kramer
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DAQE-911-99

Jodean M. Giese
Los Angeles Department of Water and Power
111 North Hope Street, Room 1050
Los Angeles, CA 90012

Dear Ms. Giese:

Re: Experimental Approval Order to Test Burn Petroleum Coke at the Intermountain Generating Station
Located in Millard County - Utah CDS-A, Attainment Area, Title V

Your request for an Experimental Approval Order (AO) dated October 6, 1999 (letter from Michael Nosanov), was received by the Utah Division of Air Quality (DAQ) on October 8, 1999. In your letter you requested approval for conducting a test burn of petroleum coke at the Intermountain Generating Station located in Millard County, Utah.

Abstract: *The Los Angeles Department of Water and Power (LADWP), operating agent for the Intermountain Power Project (IPP), has requested an Experimental Approval Order to conduct trial test burns using petroleum coke (Pet Coke) and coal at the Intermountain Generating Station (IGS) located in Delta, Utah. The IGS is a coal-fired, steam-electric plant located in Millard County. Intermountain Power Service Corporation (IPSC) intends to trial burn Pet Coke with coal to determine burn characteristics and performance parameters in preparation for possible future continuous use as a supplemental fuel. If the test burns using Pet Coke are successful LADWP may submit a Notice of Intent to request approval for the burning of Pet Coke on a continuous or permanent basis as a supplemental fuel. LADWP shall submit a report describing the results of the test burns and the results of the Continuous Emission Monitoring during the test burns. The results are expected to be valuable in determining if Pet Coke can be used as a viable alternate fuel source.*

The Notice of Intent (NOI) for the above-referenced project has been evaluated and has been found to be consistent with the requirements of the Utah Air Conservation Rules (UACR) and the Utah Air Conservation Act. However, air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an Experimental AO by the Executive Secretary of the Utah Air Quality Board.

Approval for trial test burning of petroleum coke (Pet Coke) is hereby granted in accordance with Section 19-2-107 (2)(c) of the Utah Air Conservation Act under the following conditions:

1. Performing a trial test burn using petroleum coke (Pet Coke) shall only be performed in the main boilers at the Intermountain Generating Station located in Millard County, Utah.
2. The trial burn testing of Pet Coke shall not be performed more than 120 days from the date of this Experimental Approval Order (AO). Not more than 50,000 tons of Pet Coke shall be burned during this 120-day time period.

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3. The average quantity of Pet Coke blended with coal for use during a test shall not be more than 20%.
4. This Experimental AO does not give approval to violate any conditions that limit emissions of air contaminants and/or opacity limits in the Title V Operating Permit (Permit Number 2700010001).
5. The trial burn testing of Pet Coke shall be terminated if the emissions and/or opacity limits listed in the Title V Operating Permit (Permit Number 2700010001) are exceeded and/or if the 30-day rolling average scrubber efficiency for the removal of SO₂ falls below 90%.
6. A Continuous Emissions Monitor shall measure and record the NO_x, SO₂, and opacity emissions of the main boilers during the trial burn of Pet Coke. PM₁₀ emissions will be calculated using approved emission factors.

A report describing the results of the trial burn testing shall be submitted to the Executive Secretary, Utah Air Quality Board, within 90 days after the project is completed. The report, at a minimum, shall include the emissions measured by the Continuous Emissions Monitors, laboratory analysis of Pet Coke characteristics, and emissions of any of the 188 Hazardous Air Pollutants listed in the 1990 Clean Air Act Amendments reasonably expected to be caused from the combustion of the Pet Coke.

The Division of Air Quality does not endorse the products, chemicals or equipment used in this Experimental AO.

The Division of Air Quality is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an AO. Unless you have comments which would require additional work, the fee for this AO will be \$900.00. An invoice will follow.

If you have any questions on the Experimental Approval conditions, please contact Nando Mell at (801) 536-4052.

Sincerely,


Ursula Kramer, Executive Secretary
Utah Air Quality Board

UK:NM:aj

cc: Millard County District Health Department

S. Gale Chapman
Intermountain Power Service Corporation
850 W Brush Wellman Road
Delta, Utah 84624-9546